

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/079752 A2

(51) International Patent Classification⁷: **A61K 9/00**

Mumbai 400 092 (IN). **BAGDE, Pradnya, M.** [IN/IN]; B-75, Kranti Tower, Shree Nagar, Wagle Estate, Thane (W.), Thane-400 604 (IN).

(21) International Application Number:
PCT/IB2005/000330

(72) Inventor; and

(22) International Filing Date: 10 February 2005 (10.02.2005)

(75) Inventor/Applicant (for US only): **PILGAONKAR, Pratibha** [IN/IN]; 801/L/6 Neelam Nagar, V.B. Phadke Road, Mulund (East), Mumbai 400 081 (IN).

(25) Filing Language: English

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

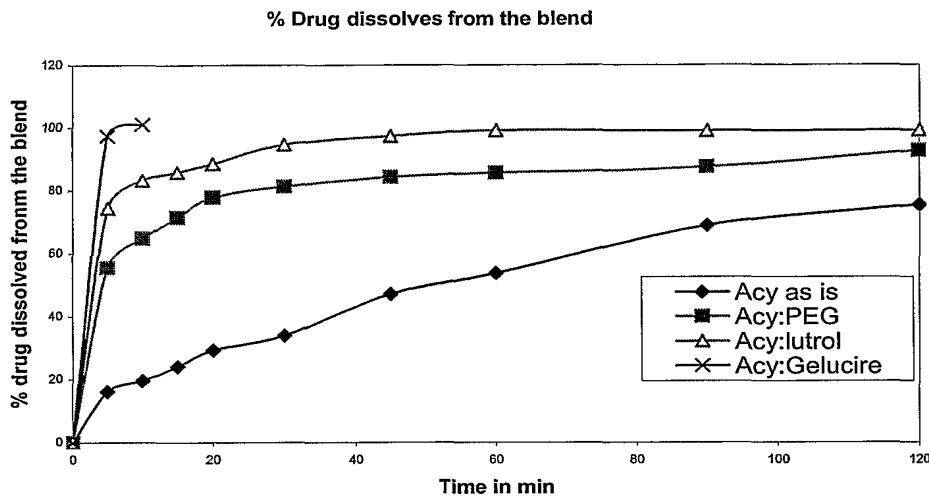
(30) Priority Data:
2004900661 11 February 2004 (11.02.2004) AU

[Continued on next page]

(71) Applicant (for all designated States except US): **RUBICON RESEARCH PRIVATE LIMITED** [IN/IN]; 221, Annexe Building, Opposite Indira Container Yard, Goregaon Mulund Link Road, Bhandup (W), Mumbai 400 078 (IN).

(71) Applicants (for US only): **RUSTOMJEE, Maharukh, T.** [IN/IN]; Dhun Building, 'A' Block, 2nd Floor, Dr. Dadasaheb Bhadkamkar Marg., Mumbai 400 007 (IN). **GANDHI, Anilkumar, S.** [IN/IN]; 5B/25, Shree Jawahar Society, Govindnagar, Sodawala Road, Borivali (W.),

(54) Title: CONTROLLED RELEASE PHARMACEUTICAL COMPOSITIONS WITH IMPROVED BIOAVAILABILITY



WO 2005/079752 A2

(57) Abstract: The present invention provides a controlled release oral pharmaceutical composition having a therapeutically effective amount of one or more pharmacologically active agent having low bioavailability; one or more solubilizers; one or more biocompatible swelling agents; and a swelling enhancer. The swelling agent, in combination with swelling enhancer, swells in the presence of water in gastric fluid such that the size of the dosage form is sufficiently increased to provide retention of the dosage form in the stomach of a patient, which gradually erodes within the gastrointestinal tract over a prolonged time period.



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *without international search report and to be republished upon receipt of that report*